



**FERROXCUBE
CORPORATION OF AMERICA
SAUGERTIES, NEW YORK**

Bulletin 220 S2
3B9 CORE-GROUP CHARTS
& ADJUSTOR COLOR CODE
"P" SERIES
ADJUSTABLE POT CORES
ADDENDUM TO BULLETIN 220

June 21, 1965

Dear Catalog Holder:

Our present Catalog 220 on Inductor Design with Ferroxcube Pot Cores is out of print. It will be available late this year.

During the past few months the line has changed slightly. This Bulletin covers these additions – new 1107 (3B9) cores, and a clarification of adjustor color codes.

INSERT THIS 220 SUPPLEMENT S2 IN YOUR EXISTING BULLETIN 220.

When the new catalog is available, it will be mailed to you.

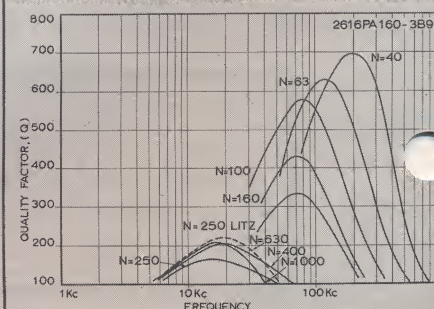
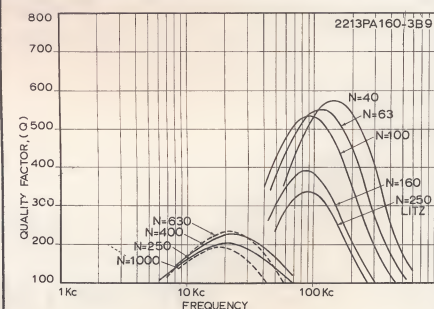
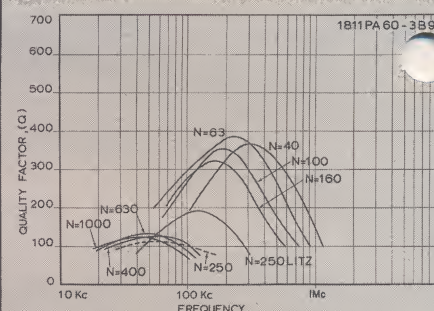
Cordially,

R. J. Wyllie
Manager of Advertising

NEW CORES AVAILABLE: 3B9 Material, to 300 Kc — Reference Pages 22-23 in Bulletin 220

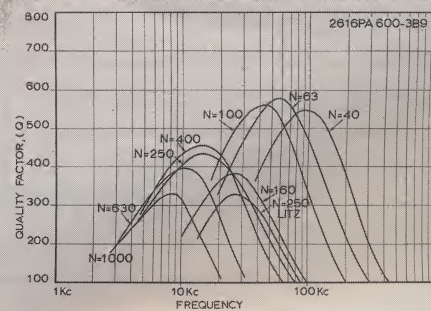
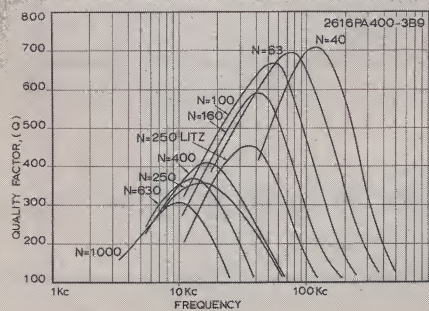
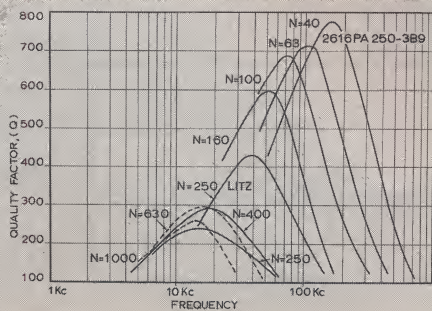
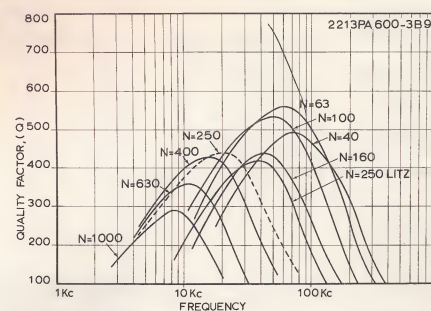
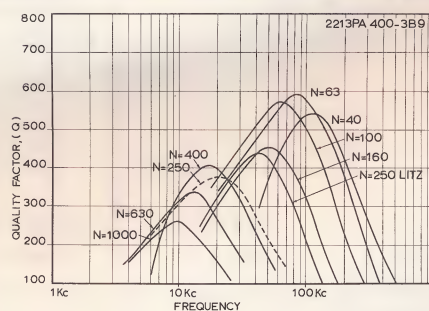
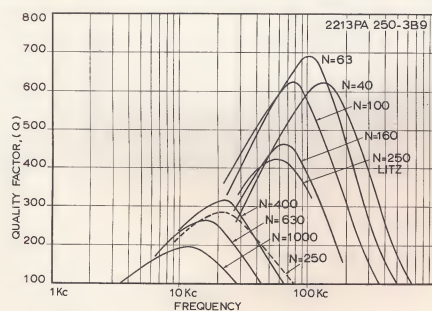
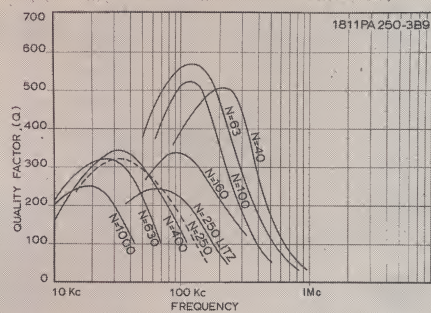
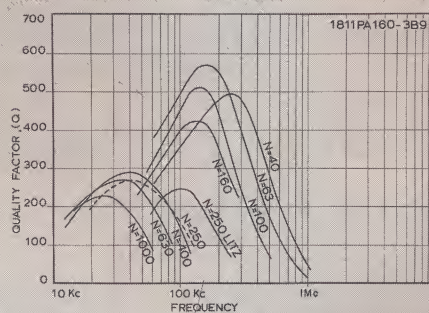
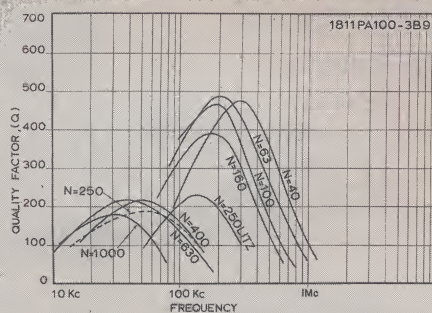
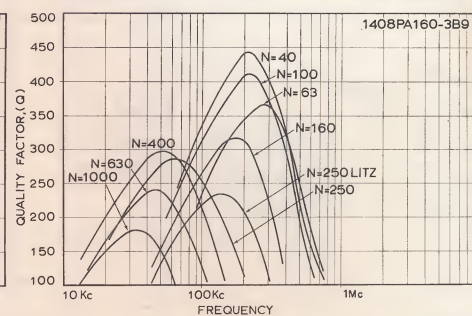
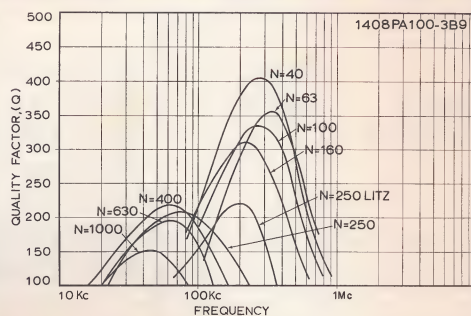
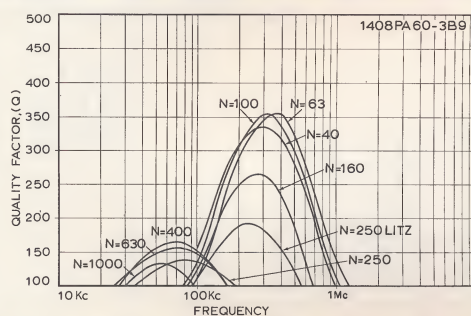
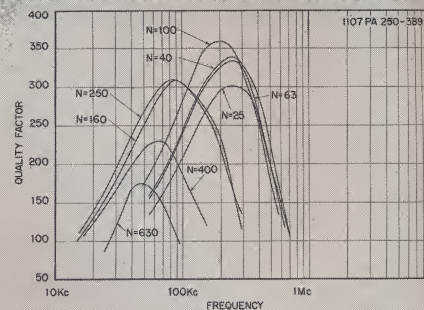
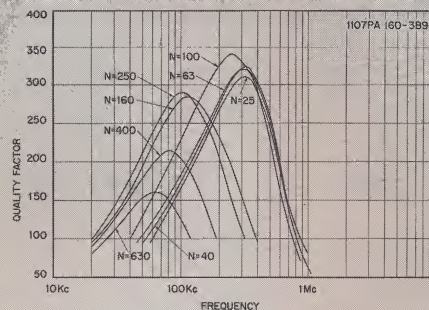
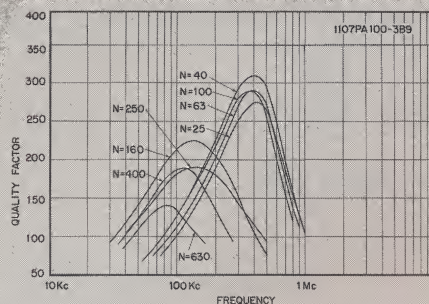
Part Number Pot Core Only	Part Number Adjustable Assembly	Part Number Pot Core Only	Part Number Adjustable Assembly	Part Number Pot Core Only	Part Number Adjustable Assembly
1107P-A100-3B9	NOT AVAILABLE	3019P-A400-3B9	3019C-A400-3B9	3622P-A400-3B9	3622C-A400-3B9
1107P-A160-3B9		3019P-A600-3B9	3019C-A600-3B9	3622P-A600-3B9	3622C-A600-3B9
1107P-A250-3B9		3019P-A1000-3B9	3019C-A1000-3B9	3622P-A1000-3B9	3622C-A1000-3B9

EXTERNAL DIMENSIONS	BOBBIN WINDING AREA— SQUARE INCHES	A_L and Tol. on A_L	μ_e (ref.)	T.C. (ppm/°C) —30° C to +70° C Limits min. max.		CORE INDUCTANCE (for standard A_L values)			WINDING INFORMATION	
						A_{100}	A_{160}	A_{250}	Turns	Wire
11 mm O.D. 07 mm HT.	Single Section: 0.0083	100	76	+107	+167	60.9 μ H	98.1 μ H	153.4 μ H	25	30/44
		$\pm 3\%$				157.9 μ H	250.1 μ H	394.9 μ H	40	19/46
		160				389.0 μ H	618.0 μ H	984.0 μ H	63	7/44
		$\pm 3\%$				988.0 μ H	1.57mH	2.48mH	100	6/44
		250				2.49mH	4.01mH	6.36mH	160	35
14 mm O.D. 08 mm HT.	Single Section: 0.015 Double Section: 0.014	100	36	+50	+79	6.13mH	9.89mH	15.38mH	250	37
		$\pm 3\%$				15.84mH	25.99mH	39.12mH	400	40
		160				38.41mH	61.71mH	98.87mH	630	42
		$\pm 3\%$								
		250								
18 mm O.D. 11 mm HT.	Single Section: 0.029 Double Section: 0.027 Triple Section: 0.025	60	27	+38	+60					
		$\pm 3\%$								
		100								
		$\pm 3\%$								
		160								
22 mm O.D. 13 mm HT.	Single Section: 0.046 Double Section: 0.043 Triple Section: 0.040	60	63	+88	+138					
		$\pm 3\%$								
		250								
		$\pm 3\%$								
		400								
26 mm O.D. 16 mm HT.	Single Section: 0.063 Double Section: 0.059 Triple Section: 0.056	60	49	+69	+108					
		$\pm 3\%$								
		250								
		$\pm 3\%$								
		400								



USE THIS DATA FOR DESIGN PURPOSES —

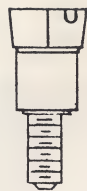
- NOTES: 1. SEE PAGES 4-9 for theory, design procedures, formulae, etc.
 2. SEE PAGES 22-23 for complete specification information.
 3. SEE PAGES 20-21 for detailed electrical and mechanical specifications.
 4. SEE PAGES 10-11 for Nomenclature, Symbology, and Test Procedures.



SEE DATA ON PAGES 20-23 FOR ORDERING PROCEDURE.

ADJUSTOR COLOR CODE

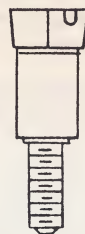
"P" SERIES ADJUSTABLE POT CORES



TYPE "A"



TYPE "B"



TYPE "C"



TYPE "D"

ADJUSTOR COLOR & TYPE					ADJUSTOR COLOR & TYPE			
PART NUMBER	3B7	3B9	3D3	4C4	PART NUMBER	3B7	3B9	3D3
1408C-A25 1408C-A40 1408C-A100 1408C-A160 1408C-A250	Yellow B White B Brown A	Red A Yellow B White B	Red A Yellow B	Red A Red A	*3019C-A100 *3019C-A160 *3019C-A250 *3019C-A400 *3019C-A600 *3019C-A1000 *3019C-A1600	White B Grey C Grey B Black D		Red A White B White B
1811C-A25 1811C-A40 1811C-A60 1811C-A100 1811C-A160 1811C-A250 1811C-A400	White B White B Grey B	Red A Yellow B White B White B	Green A Red A Yellow B White B	Red A Green A	*3622C-A160 *3622C-A250 *3622C-A400 *3622C-A600 *3622C-A1000 *3622C-A1600	White B Brown A Grey B Black D	White B Brown A Grey B	Yellow A White B Brown A
2213C-A40 2213C-A60 2213C-A100 2213C-A160 2213C-A250 2213C-A400 2213C-A600	Yellow B White B Brown A Brown A	Yellow B White B Brown A Brown A	Red B Yellow B Yellow B	Red B Red B	*4229C-A400 *4229C-A600 *4229C-A1000 *4229C-A1600	White B Brown A Grey B Black D		
2616C-A60 2616C-A100 2616C-A160 2616C-A250 2616C-A400 2616C-A600 2616C-A1000	Brown A Brown A Grey B	Red A White B Brown A Brown A	Red A White B White B	Green A White B	*Adjustor nut recessed. All others flush to backwall.			

1107 Cores not available in Adjustable Series.

Further information available on request.



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